

Figure 1
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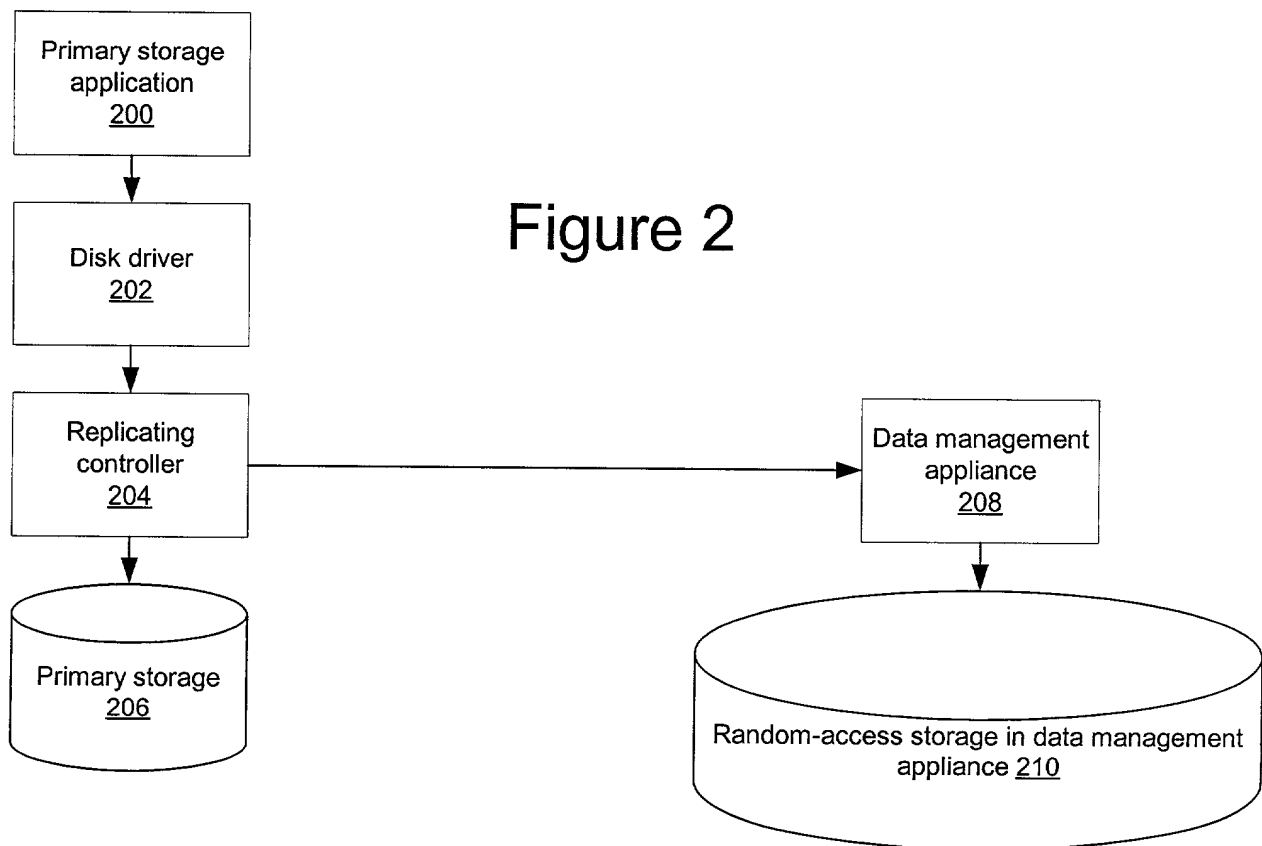


Figure 2

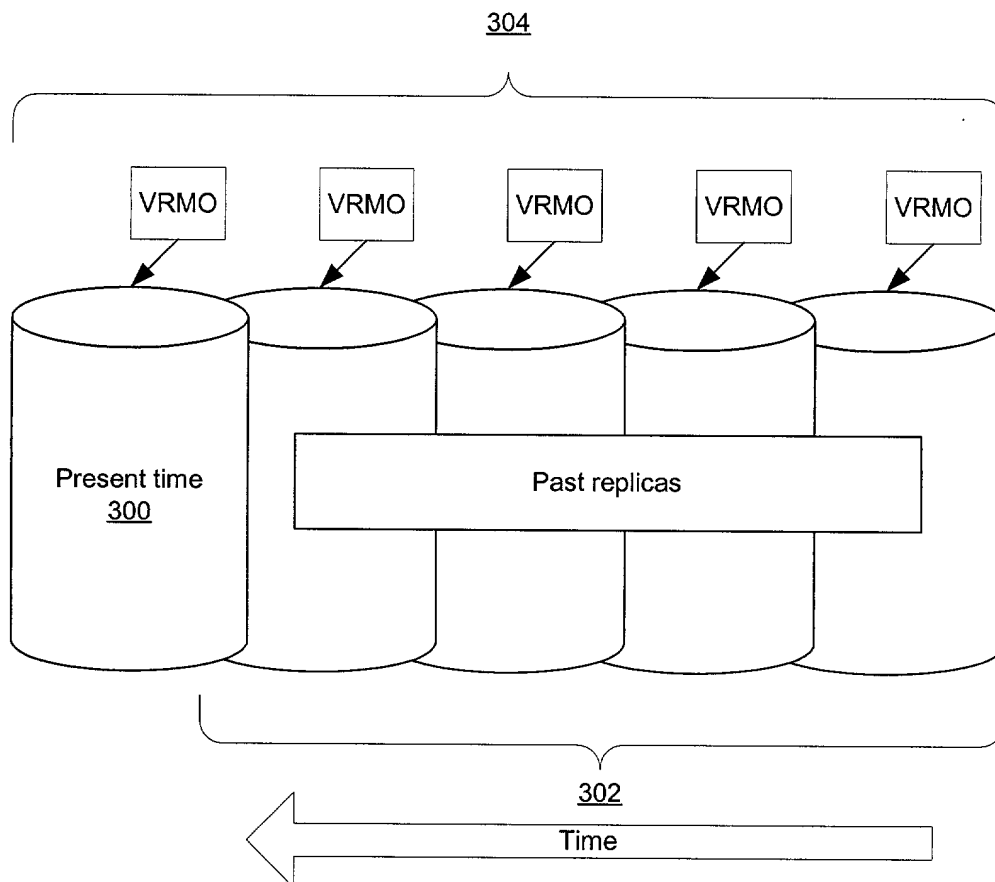


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FIG. 4 is a block diagram of a data management appliance 400, according to one embodiment. The appliance 400 includes a forward journal 402 and a backward journal (snapshots) 404. The forward journal 402 is used to capture data changes from a source system to the appliance 400. The backward journal (snapshots) 404 is used to capture data changes from the appliance 400 to a target system. The appliance 400 also includes an image tape 406 and a difference tape 408. The image tape 406 is used to store a full backup of the source system, and the difference tape 408 is used to store incremental backups of the source system.

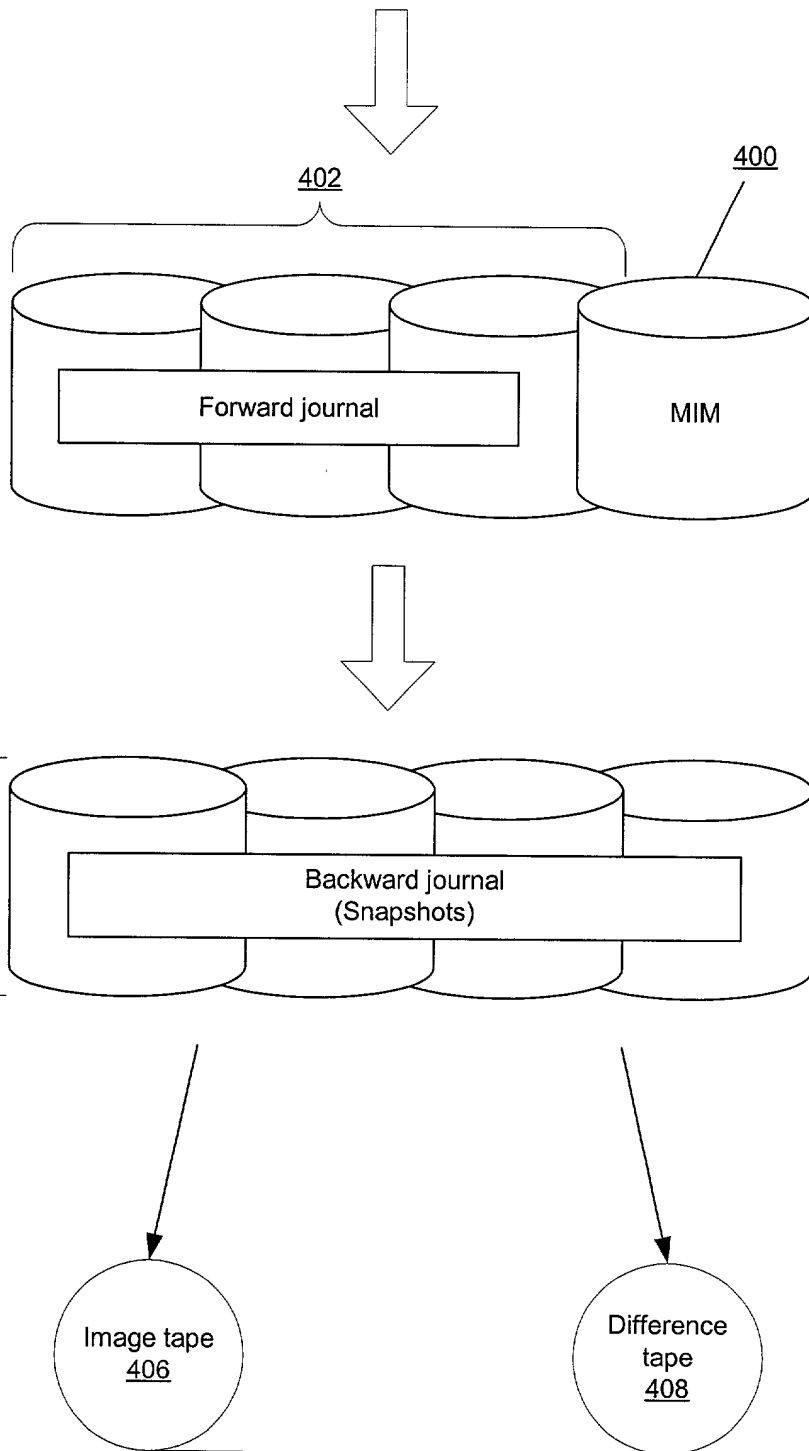


Figure 4

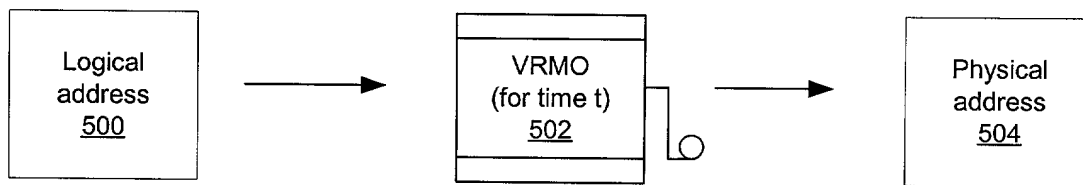
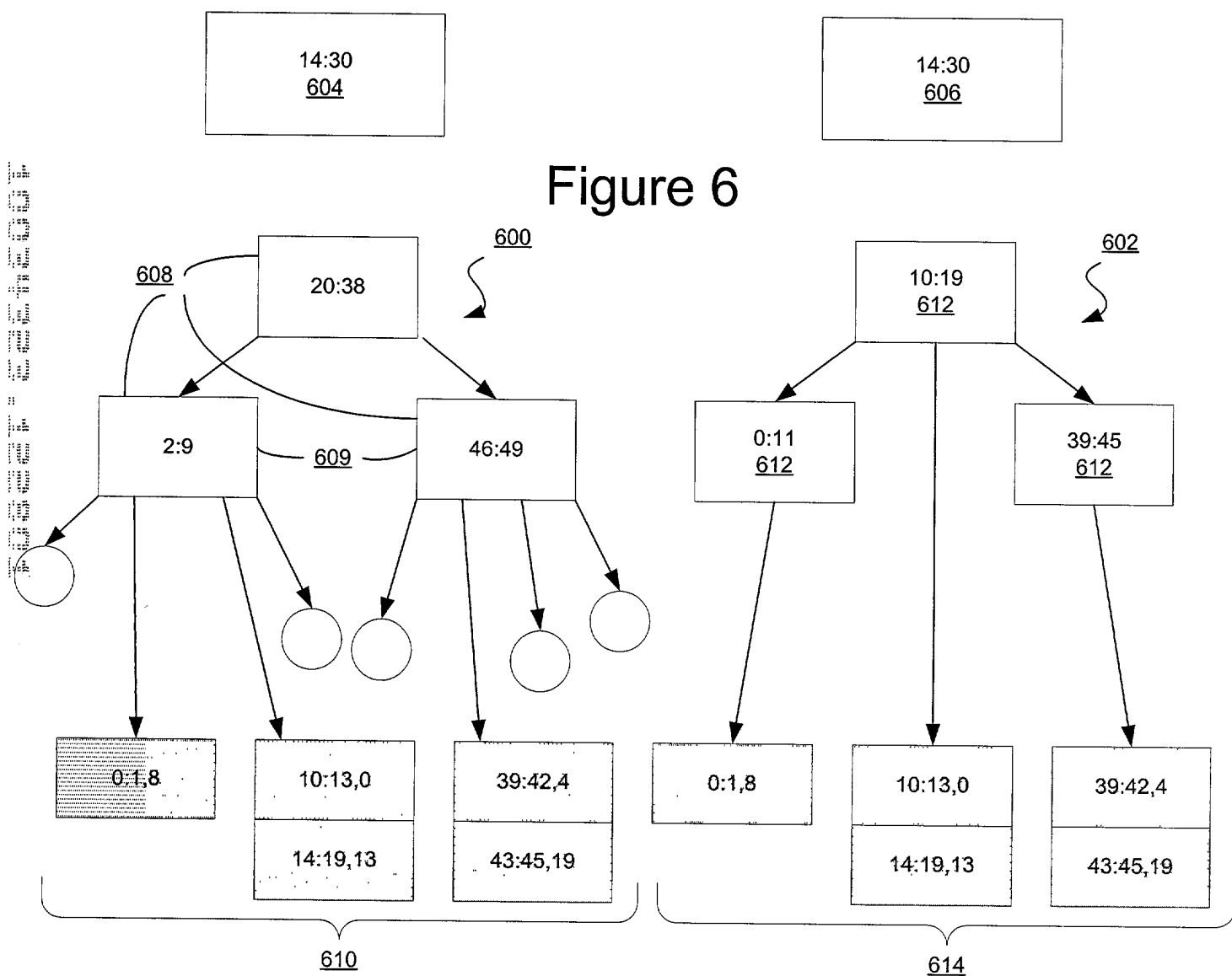


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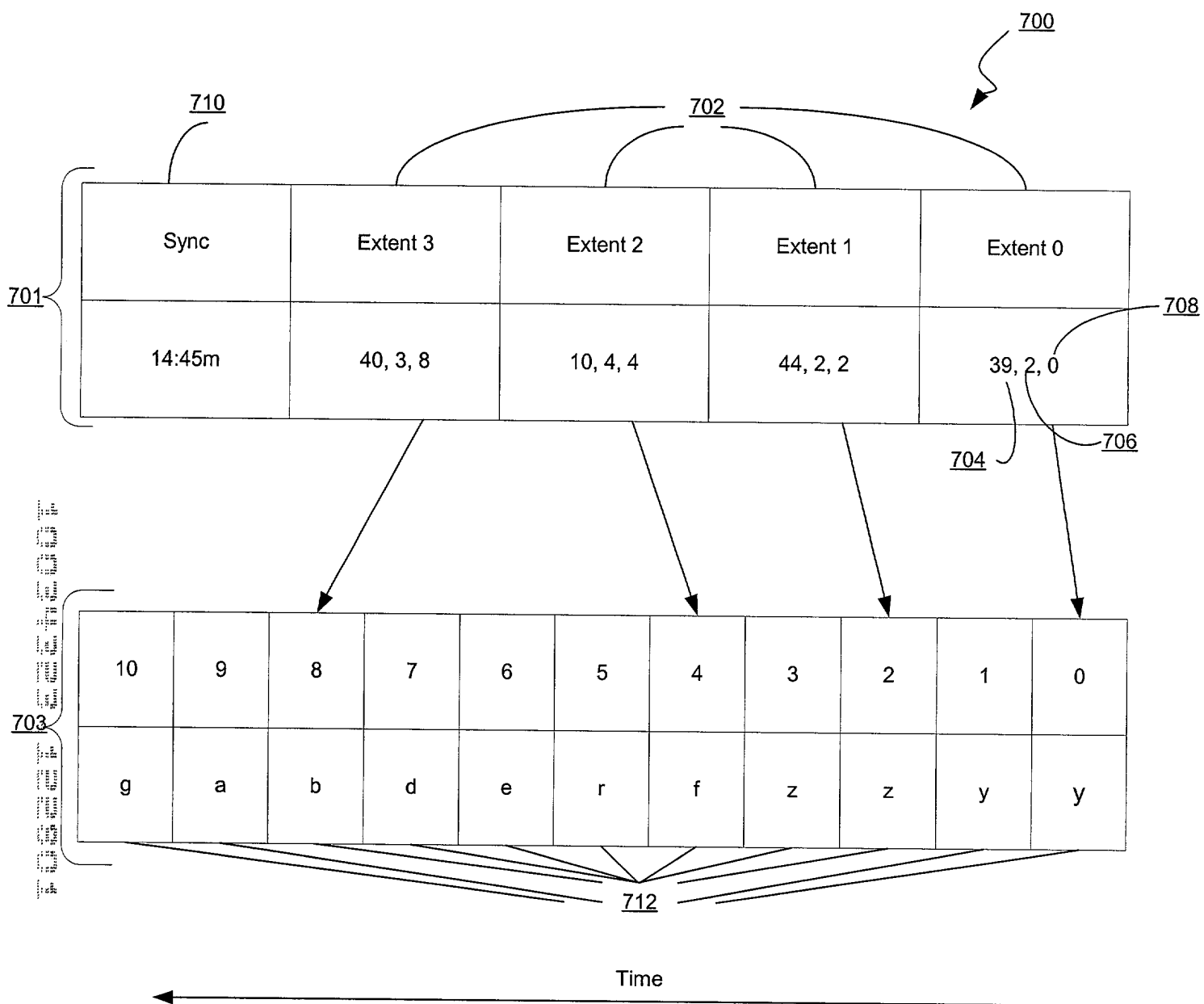


Figure 7

FIG. 8 is a diagram of a data management appliance 800. The appliance 800 includes a processor 802 and a memory 804. The memory 804 is configured to store a data management appliance 800. The data management appliance 800 includes a processor 802 and a memory 804. The memory 804 is configured to store a data management appliance 800.

800

802

804

0	1	2	3	4	5	6	7	8	9
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
10	11	12	13	14	15	16	17	18	19
R	R	R	R	R	R	R	R	R	R
20	21	22	23	24	25	26	27	28	29
S	S	S	S	S	S	S	S	S	S
30	31	32	33	34	35	36	37	38	39
T	T	T	T	T	T	T	T	T	T
40	41	42	43	44	45	46	47	48	49
U	U	U	U	U	U	U	U	U	U

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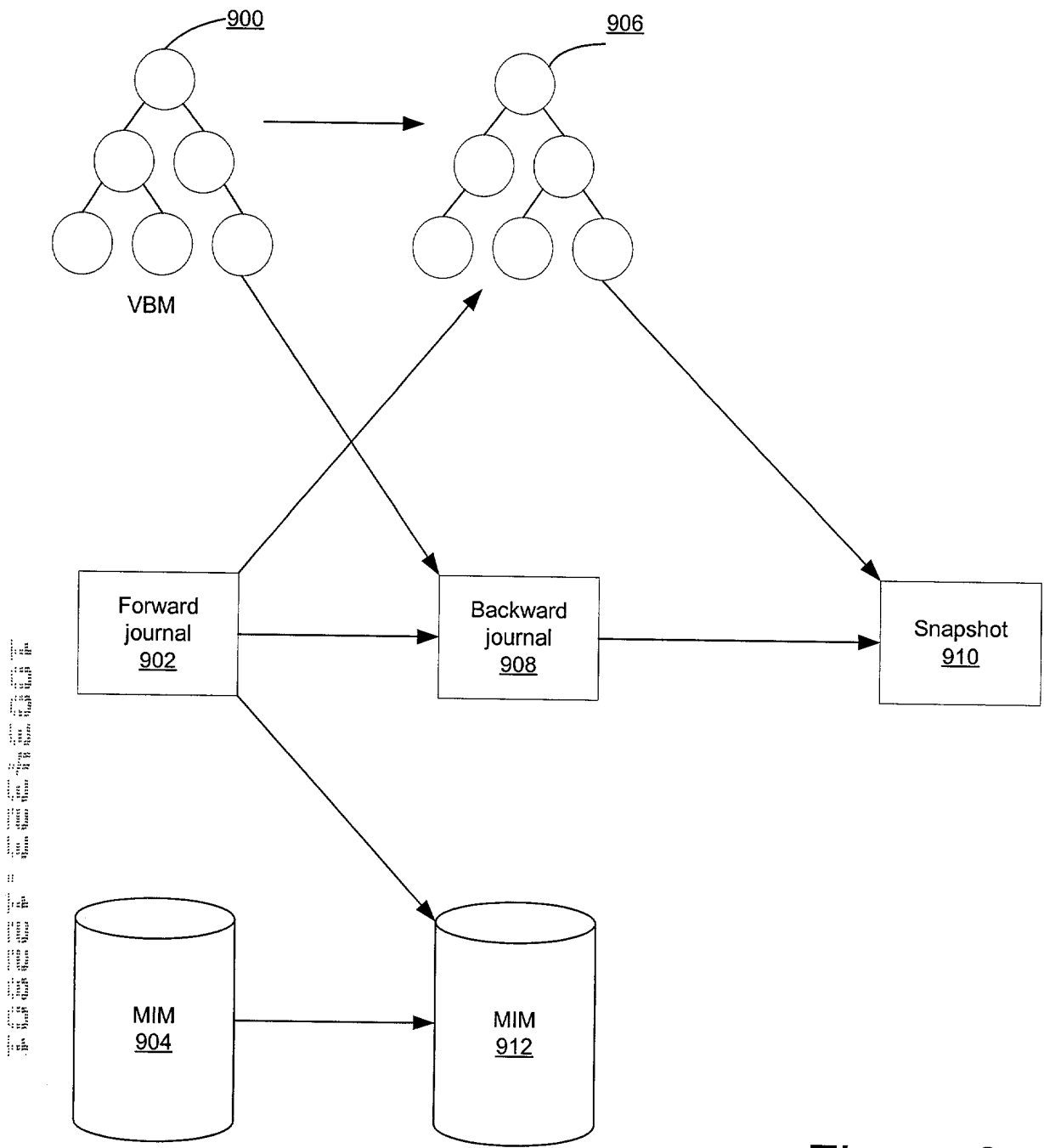


Figure 9

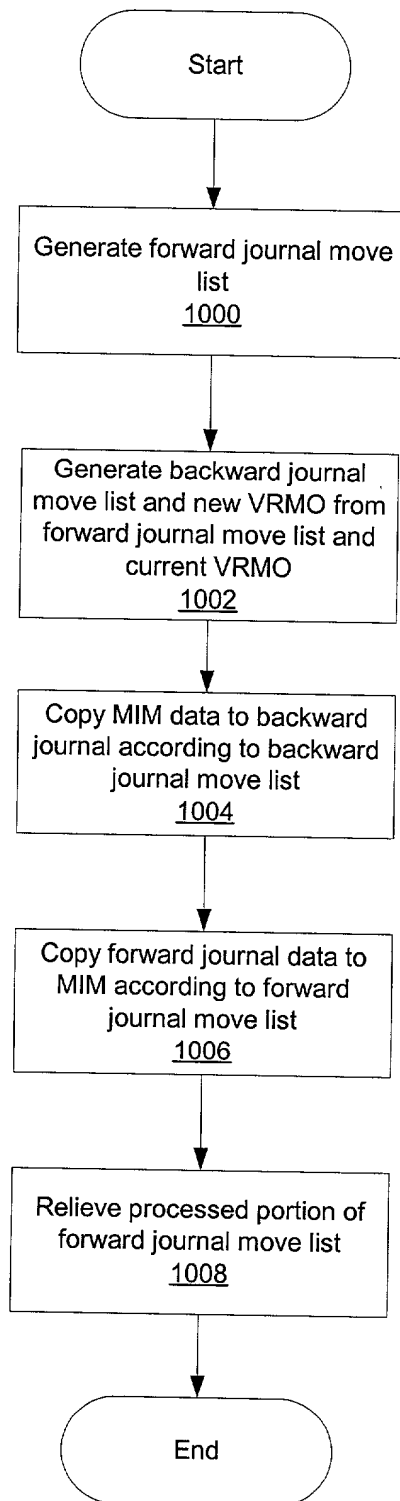
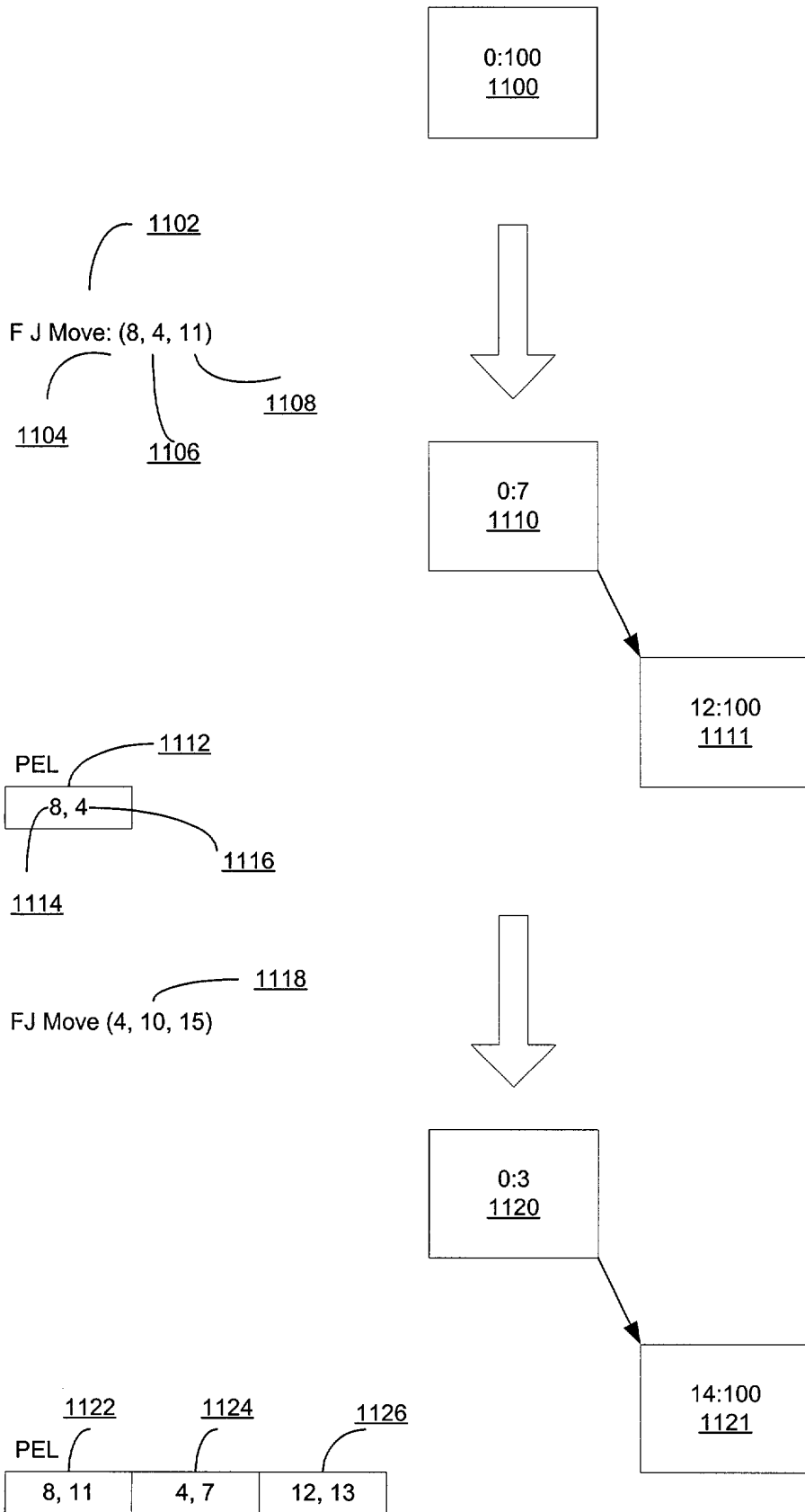


Figure 10

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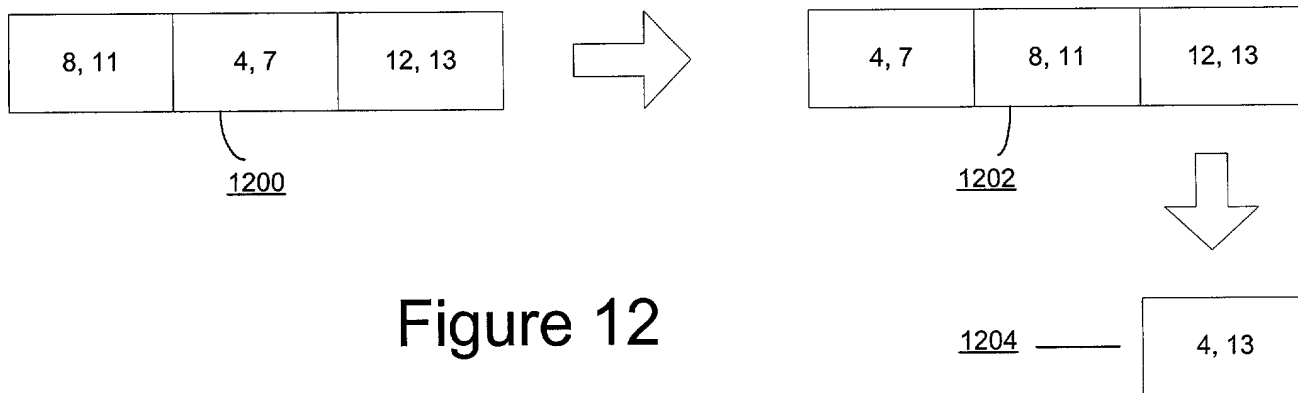


Figure 12

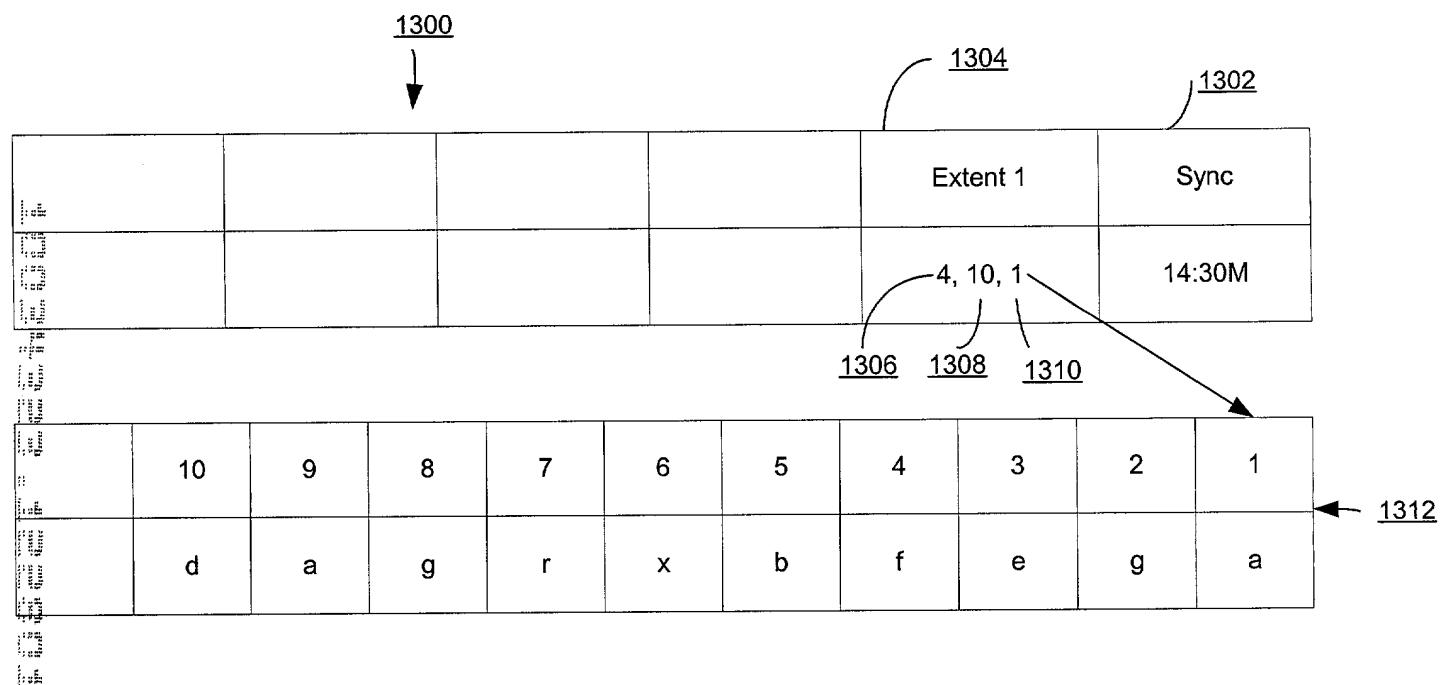


Figure 13

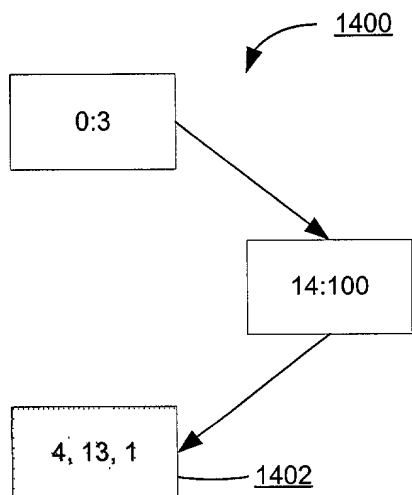


Figure 14

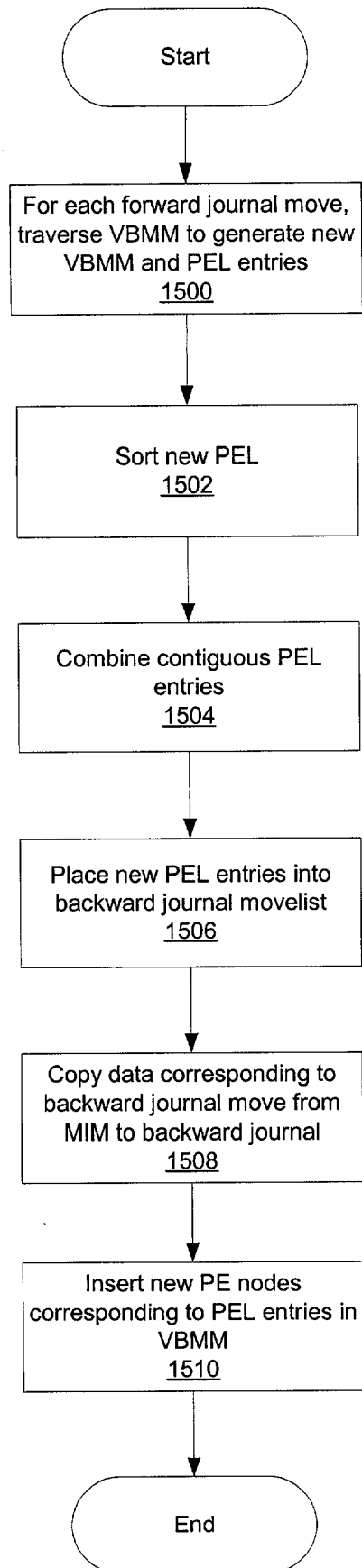


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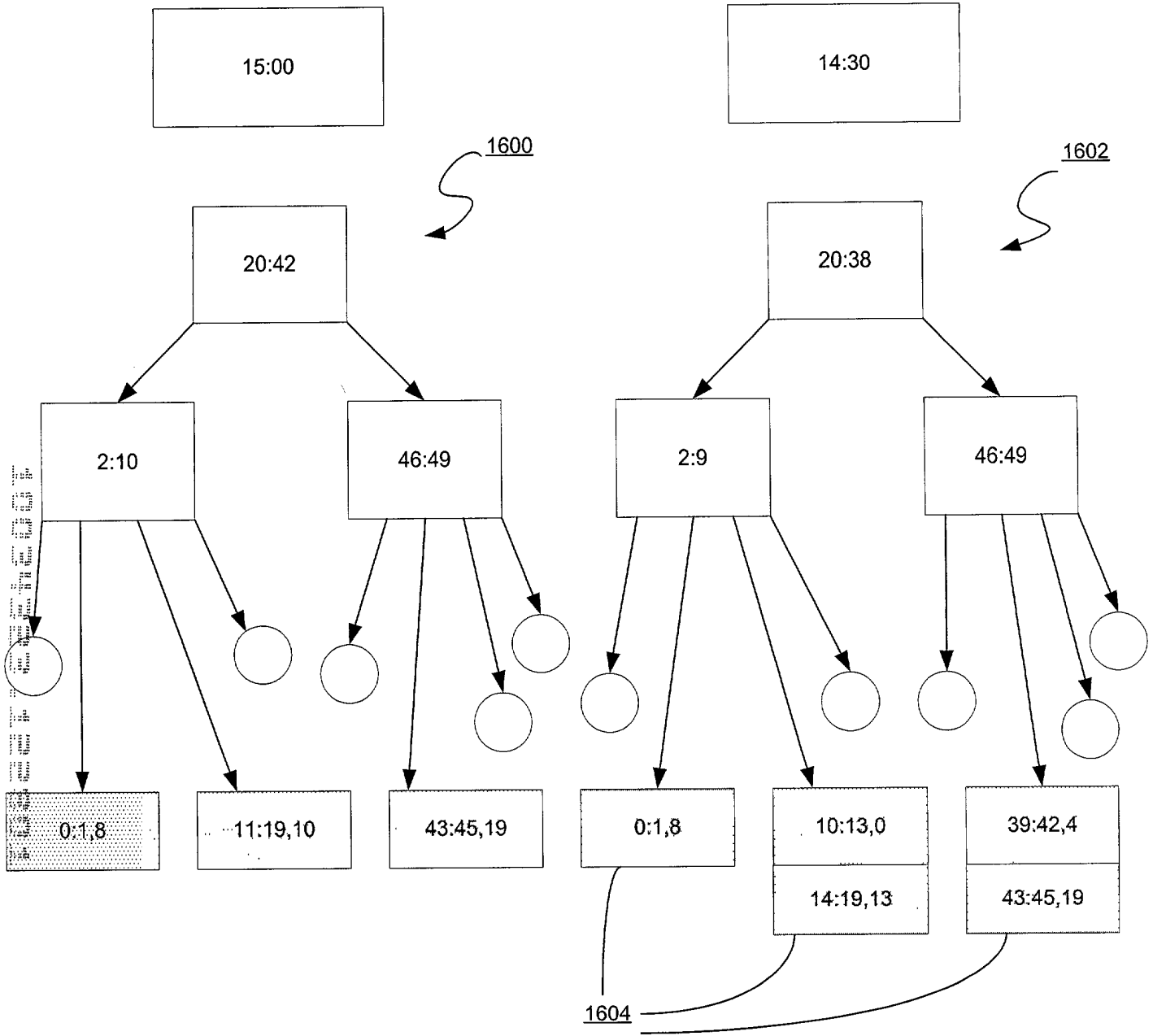


Figure 16

1710

FJ Move (42, 7, 92)

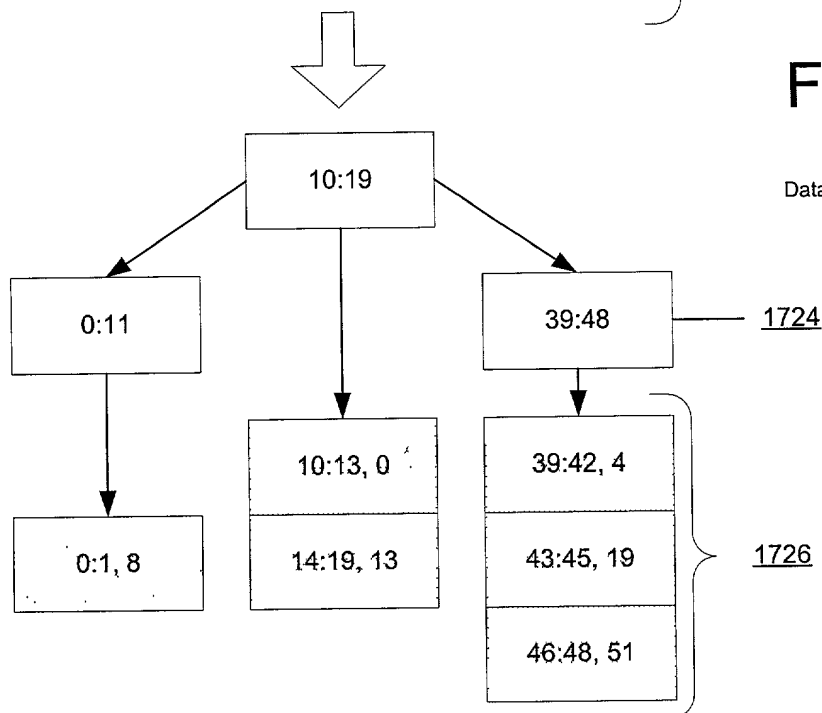
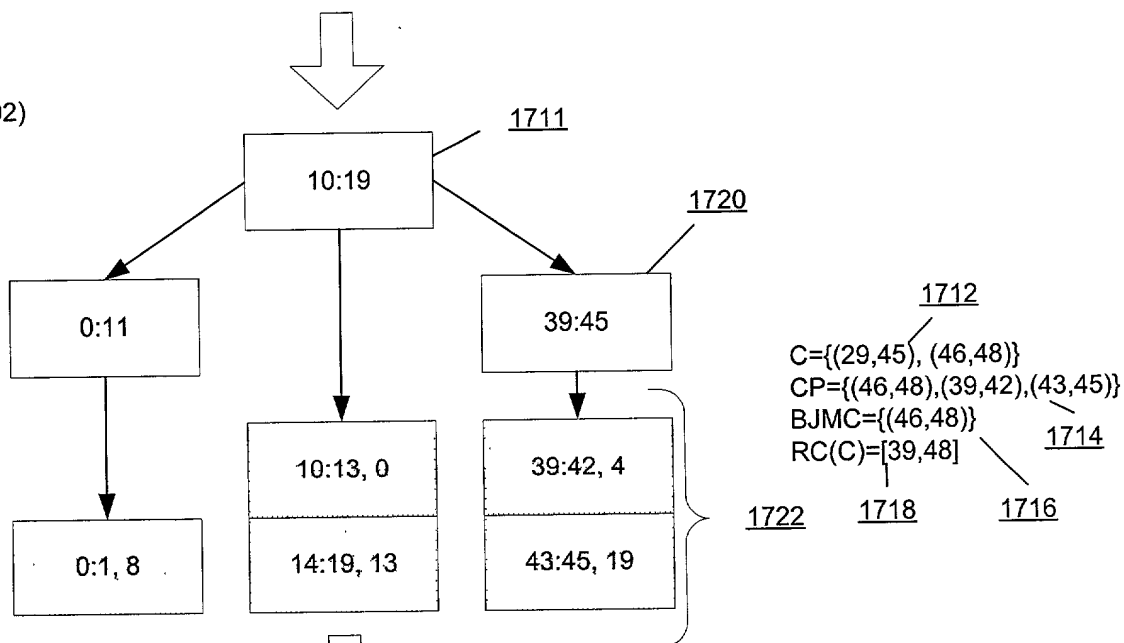
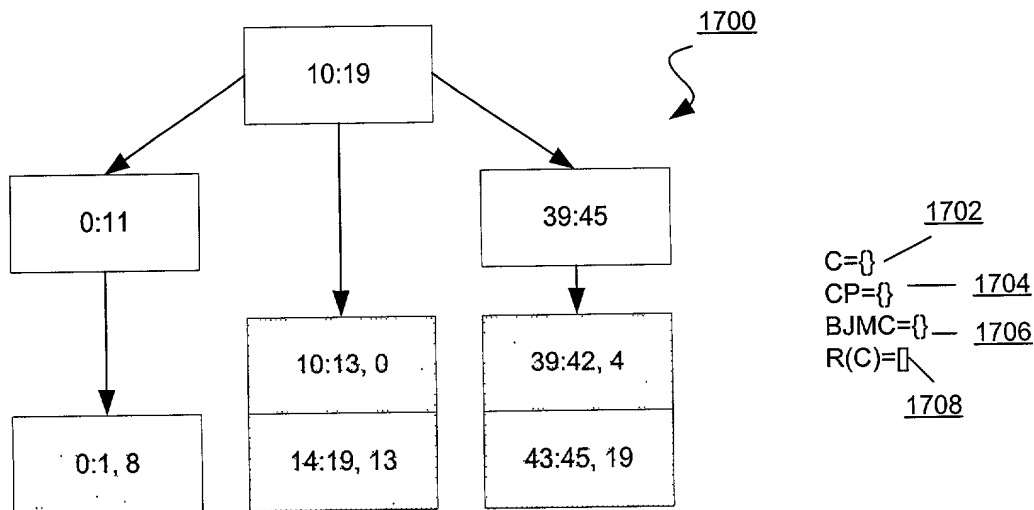


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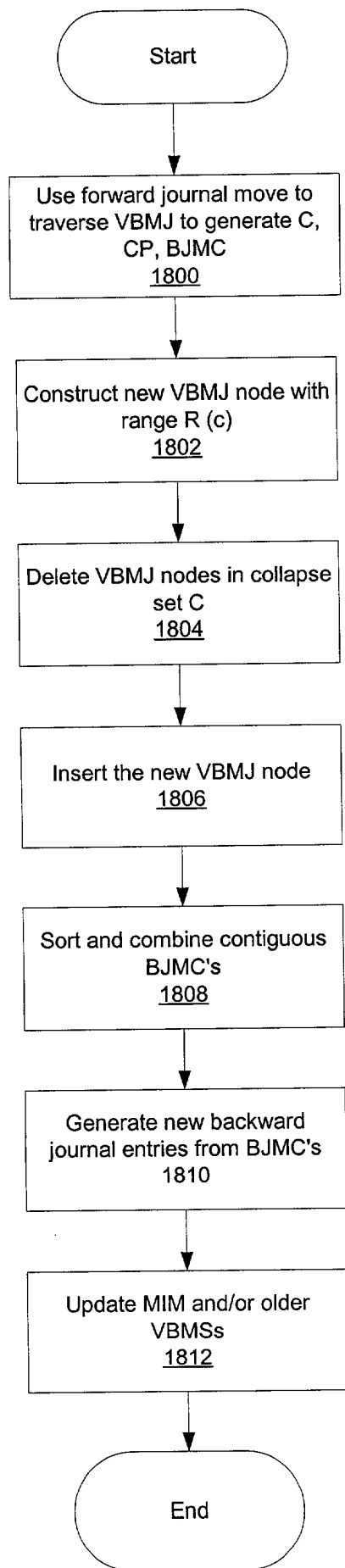


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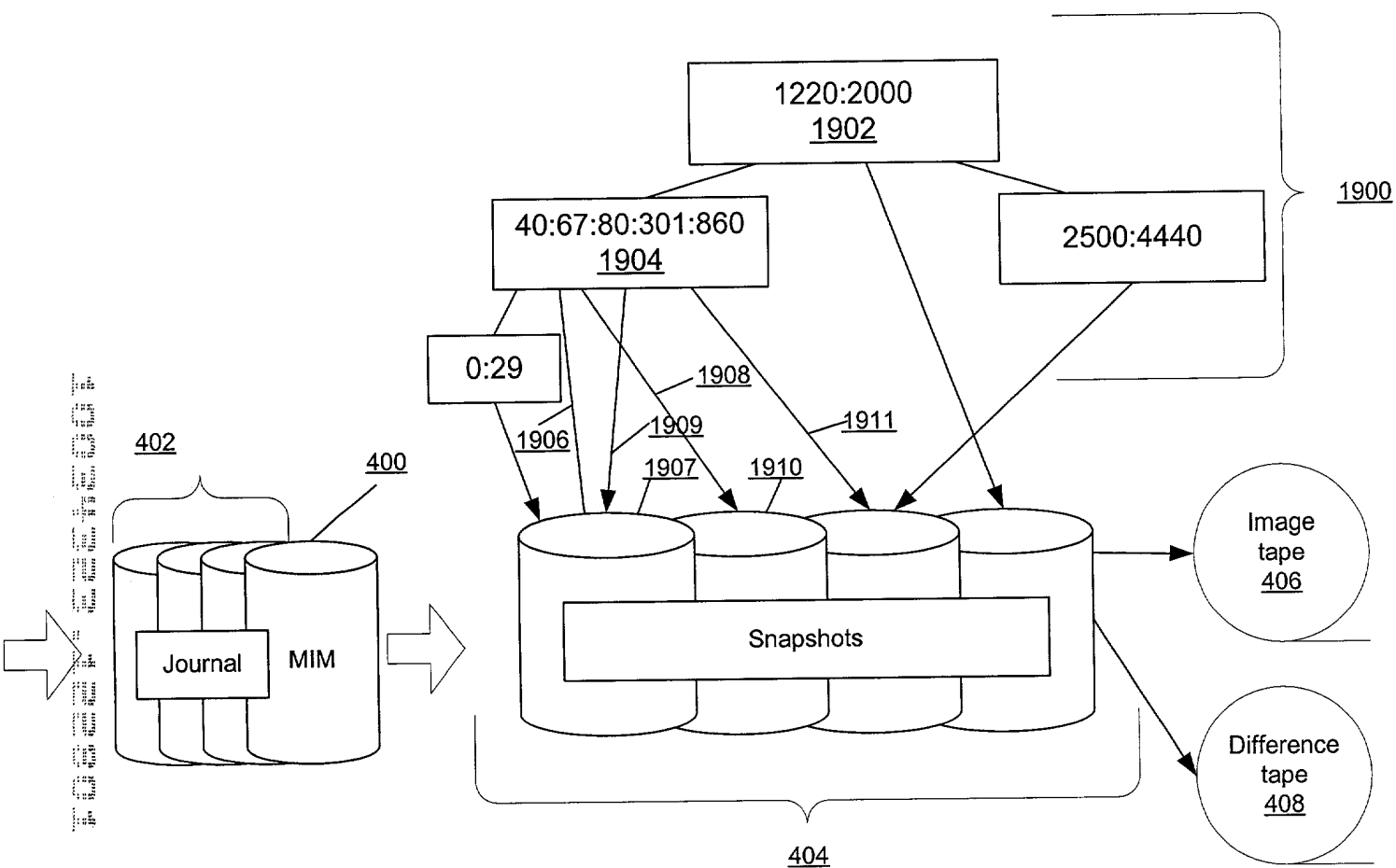


Figure 19

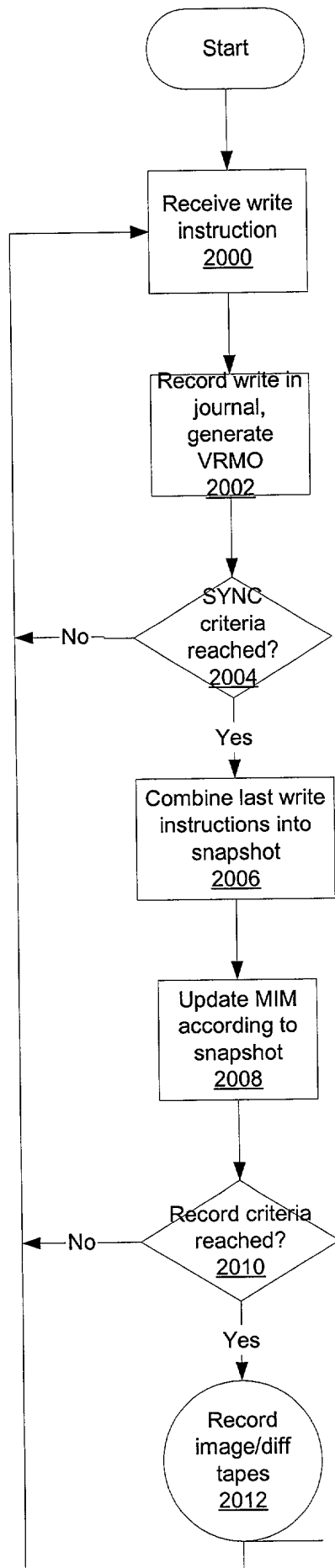


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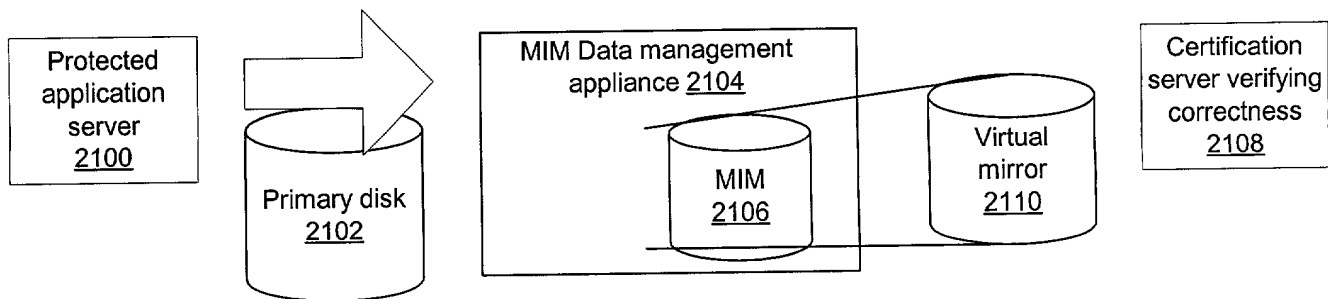


Figure 21

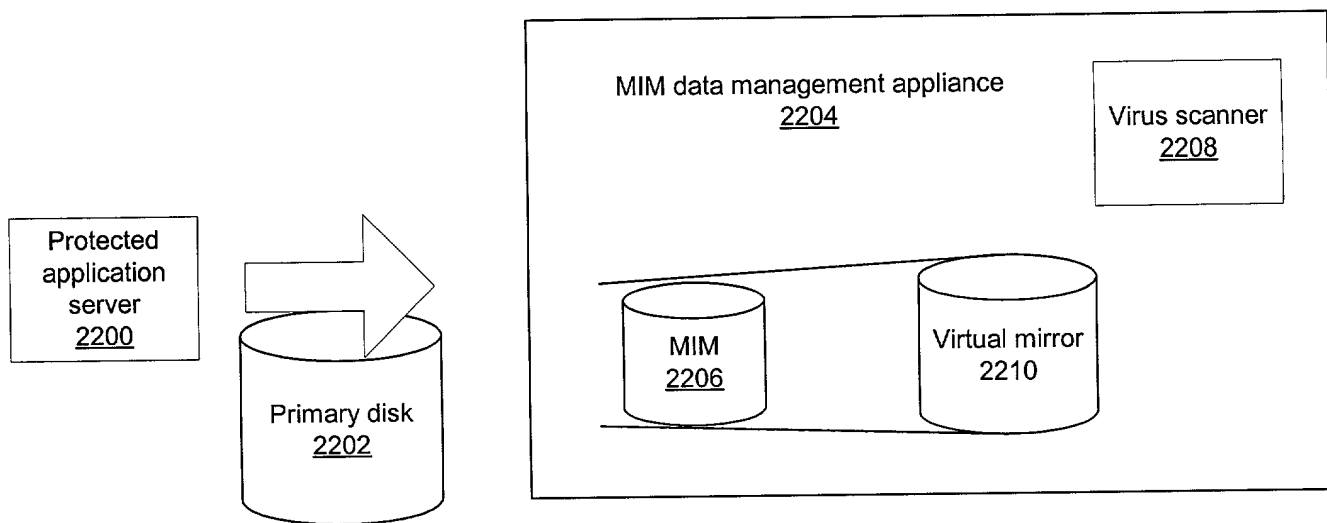


Figure 22

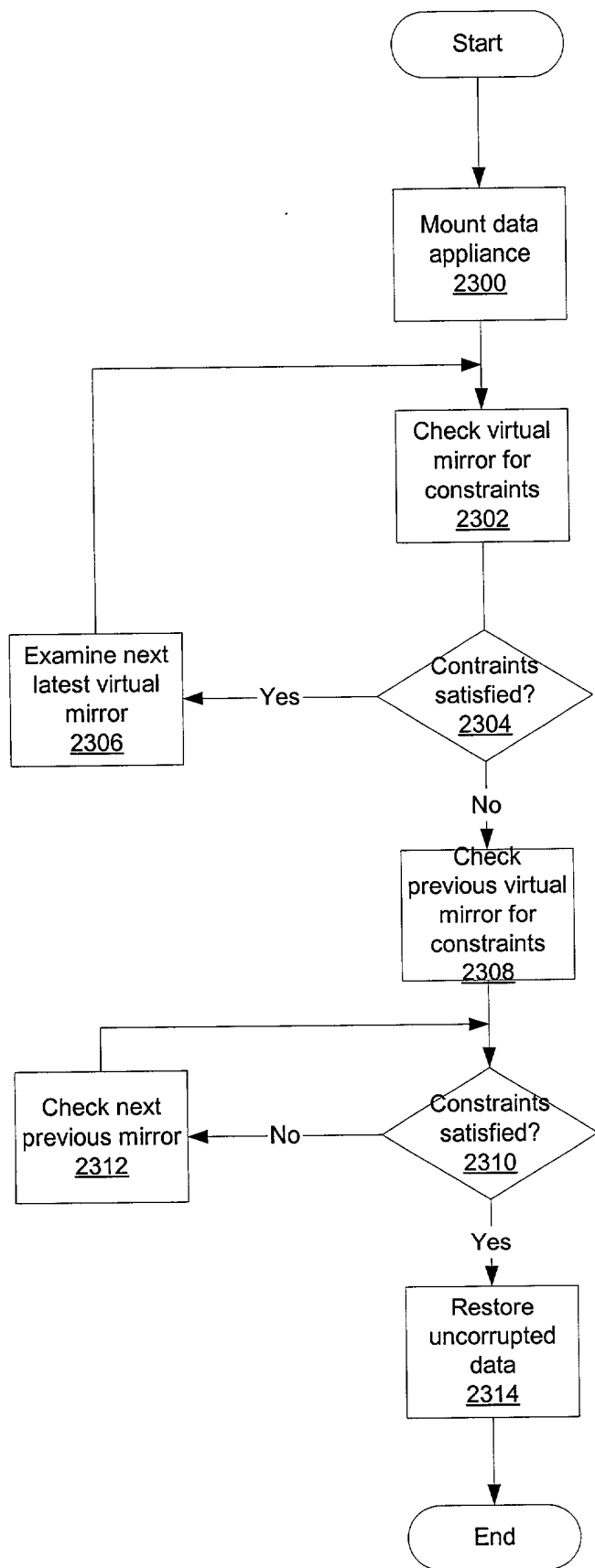


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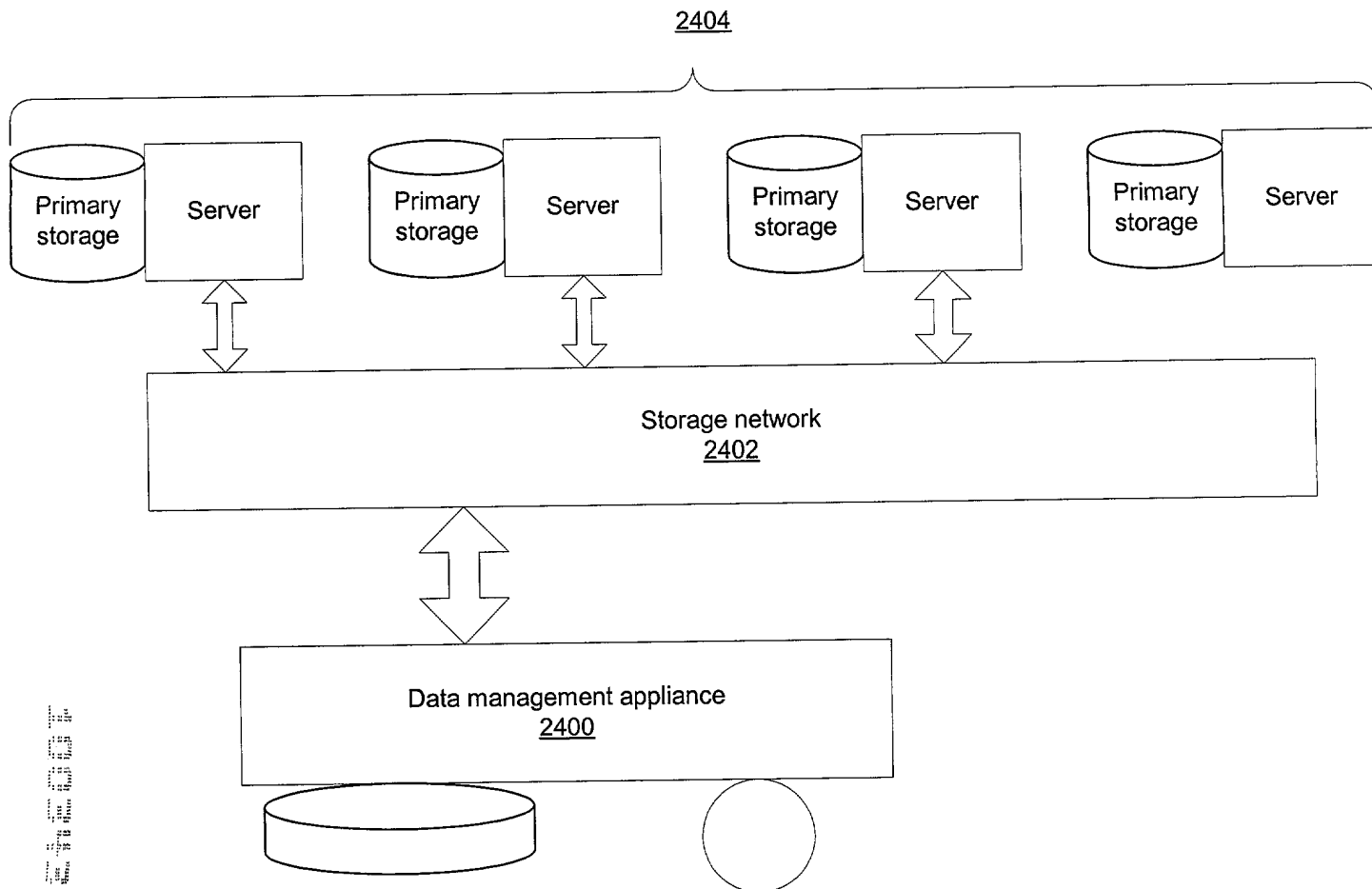


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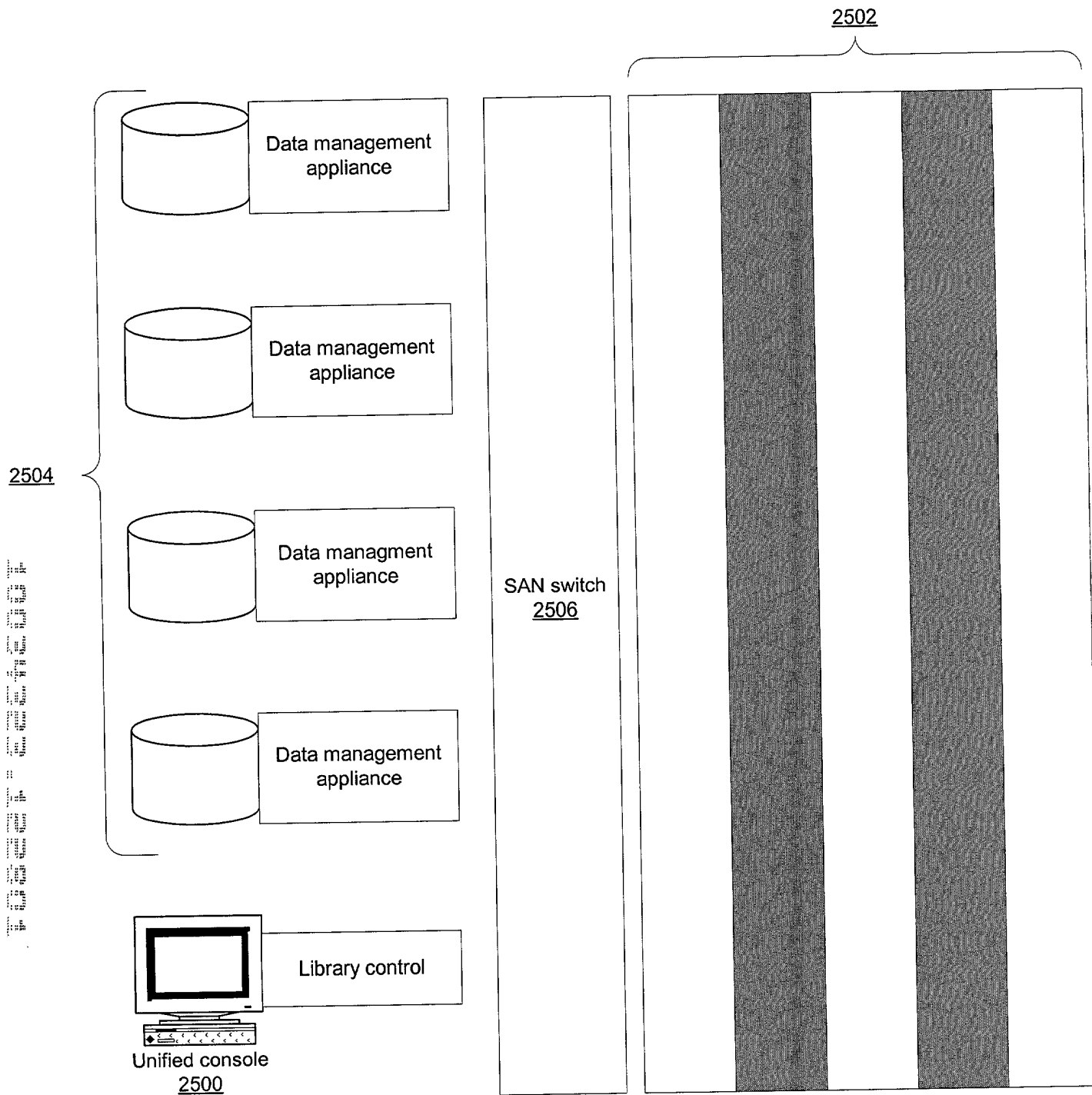


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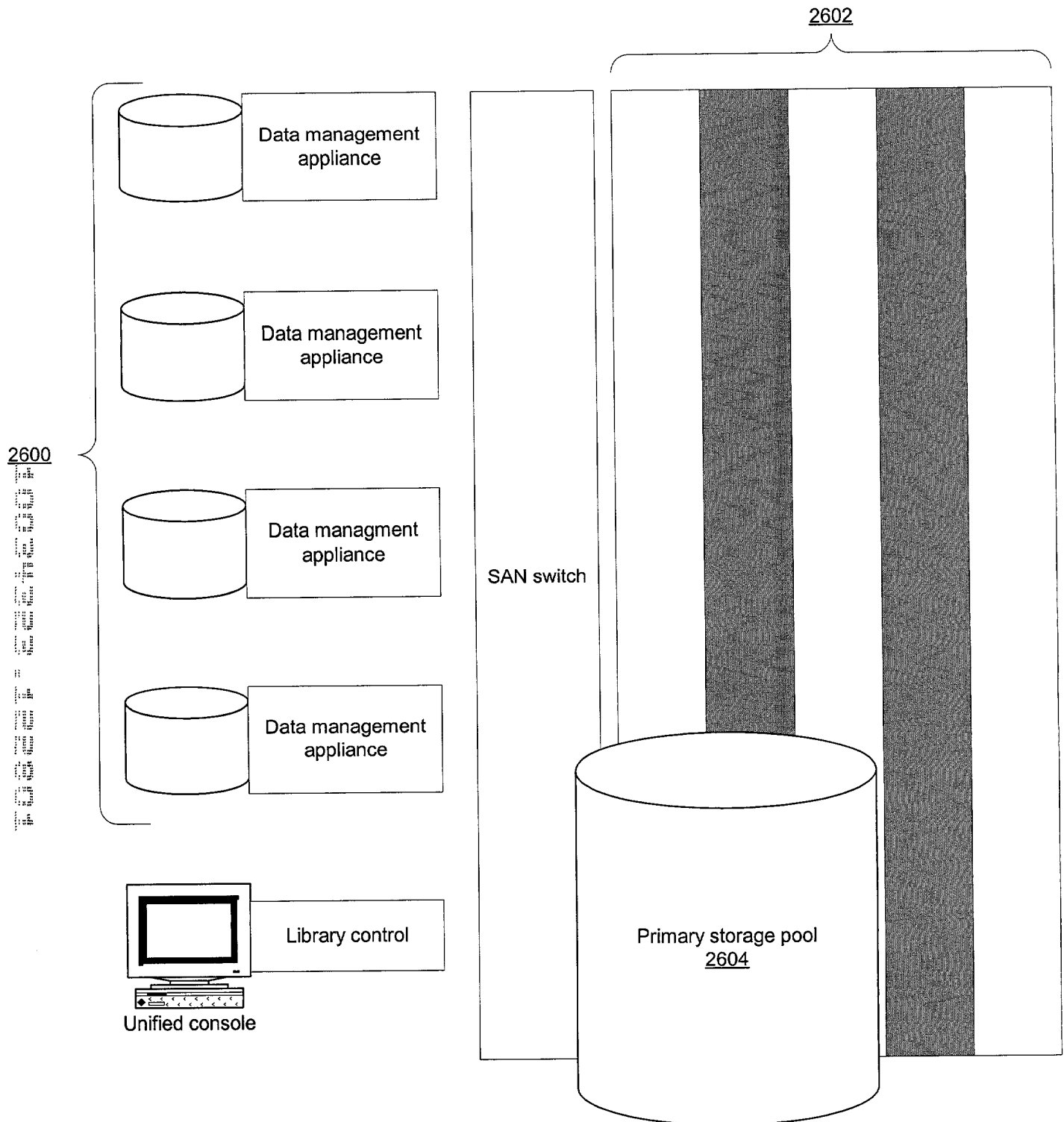


Figure 26